



Dr. Fred Provenza on a field exercise with students.



Teaching sheep to eat plants they normally would avoid.

Presenting Dr. Fred Provenza

Dr. Fred Provenza began his career working with cattle, sheep, alfalfa, and grain on a ranch in Colorado. After earning his B.S. in wildlife biology in 1973 from Colorado State University, he became a ranch manager. He later earned his M.S. and Ph.D. in range science from Utah State University. He is currently a professor in the Department of Forest, Range, and Wildlife Sciences at Utah State University. Dr. Provenza's research focuses on understanding behavioral processes, and using that understanding to inform management. For the past two decades, his emphasis has been on the role of learning in food and habitat selection by herbivores. He has been senior or co-author of more than 120 papers in peer-reviewed journals and an invited speaker at national and international conferences.

In this workshop, Dr. Provenza will synthesize his research findings in a way that is entertaining, interesting, and useful. Cattle producers, dairy farmers, sheep producers, wildlife biologists, horse owners, hay producers and anyone challenged with managing livestock, forages, wildlife, and natural resources will benefit from this workshop.

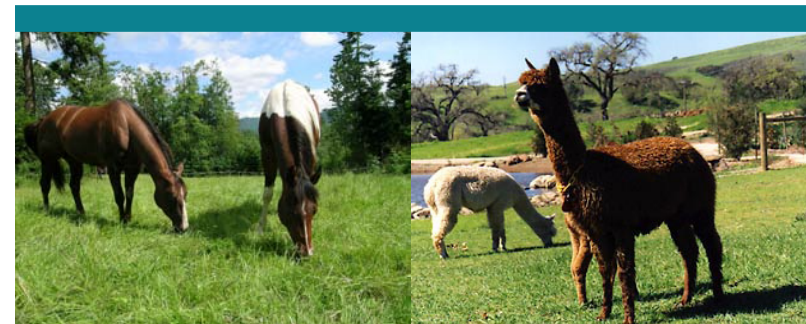
King Conservation District

The King Conservation District is a non-regulatory agency that provides free education and technical assistance to landowners on conservation issues.



BEHAVE - Behavioral Education for Human, Animal, Vegetation & Ecosystems Management.

Animal Grazing Behavior: Understanding and Managing Livestock, Wildlife, Plants, Soils and People



Presented by Dr. Fred Provenza
Utah State University

May 9th to 11th, 2006
Parks Center Hotel (formerly the Best Western)
1000 Griffin Avenue
Enumclaw, WA

Sponsored by the
King Conservation District
with assistance from
Horses for Clean Water

WORKSHOP OVERVIEW

This 2 ½ day workshop, presented by world class animal behavior specialist Dr. Fred Provenza, will explore the relationships among soils, plants, herbivores, people, and ecosystems and focus on how behavior influences food and habitat selection. Using examples from a variety of landscapes, Dr. Provenza will show how behavior can be used as a tool for changing the distribution of grazing animals around riparian areas; for controlling weeds and managing fire breaks; for minimizing damage to economically valuable crops by wild and domestic herbivores; for enhancing and maintaining biodiversity; and for reducing losses in animals from toxic plants and “hard” introductions into unfamiliar environments.

The information presented will have immediate applications for cattle and sheep producers, dairy farmers, wildlife biologists, horse owners and others working with grazing issues, animal reintroductions, or foraging behavior of any kind.



SCHEDULE OF EVENTS

Day 1 (Morning), May 9

- 8 to 8:30 a.m. Introductions, Course Overview
- 8:30 to 9 a.m. Historical Perspectives on Science
- 9 to 9:45 a.m. Reductionist Science: From Wholes to Parts
- 9:45 to 10 a.m. Break
- 10 a.m. to 12 p.m. Self-Organizing Systems: From Parts to Wholes

Day 1 (Afternoon) May 9

- 1 to 2 p.m. Plant Behavior: Evolution
- 2 to 3 p.m. Plant Behavior: Tolerance
- 3 to 3:30 p.m. Break
- 3:30 to 5 p.m. Plant Behavior: Avoidance

Day 2 (Morning) May 10

- 8 to 8:30 a.m. Challenges Herbivores Face in Foraging
- 8:30 to 10 a.m. Models of Diet and Habitat Selection
- 10 to 10:30 a.m. Break
- 10:30 a.m. to Noon Social Influences on Food and Habitat Selection

Day 2 (Afternoon) May 10

- 1 to 2:30 p.m. Social Influences on Food and Habitat Selection
- 2:30 to 3 p.m. Break
- 3 to 4:30 p.m. Flavor, Nutrients, Toxins and Palatability
- 4:30 to 5 p.m. Skin and Gut Defenses

Day 3 (Morning) May 11

- 8 to 9:30 a.m. Importance of Variety
- 9:30 to 9:45 a.m. Break
- 9:45 to 11a.m. Importance of Variety: Implications
- 11 a.m. to Noon Dilemma/Old Dogs-New Tricks

Parks Center Hotel (formerly the Best Western)
1000 Griffin Avenue
Enumclaw, WA
360-825-4490

REGISTRATION

Name & Affiliation: _____

_____ Address: _____

_____ City: _____

_____ State: _____

Zip: _____ Phone: _____

E-mail: _____

Registration include light refreshments during breaks, Dr. Provenza’s booklet Foraging Behavior: Managing to Survive in a World of Change and additional handouts.

Early registration postmarked by May 1, 2006:

- Professional/agency \$200
- Farmer/rancher \$125
- Student \$75

All registration postmarked after May 1, 2006 – \$200

Please send payment with completed registration form.

SPACE IS LIMITED – PLEASE REGISTER EARLY

Refund/cancellation policy: Cancellations can be made until May 1, 2006. The registration fee, less \$25, will be refunded if you cancel prior to May 1, 2006. After that time, no refunds will be made for cancellations. Substitutions are acceptable at any time.

For details or more information on the event:

Alayne Bickle, Horses for Clean Water

Alayne@horsesforcleanwater.com

425-432-6116

For registration:

The King Conservation District

425-277-5581, ext. 125

Roseanne.Campagna@kingcd.org

935 Powell Ave SW

Renton, WA 98055

Registration is limited. Sorry, NO credit card payments.